

Human CellExp™ DLK1, Human Recombinant

CATALOG NO:	P1166-10	10 µg
ALTERNATE NAMES:	Protein Delta Homolog 1, Fetal Antigen 1, Preadipocyte Factor 1, Pref-1, FA1	
SOURCE:	HEK 293 cells (aa 24-303)	
PURITY:	≥ 98% by SDS – PAGE	
SEQUENCE:	Signal peptide and extracellular domain of human DLK1 (aa 24-303) are fused at the C-terminus to the Fc portion of human IgG1	
ENDOTOXIN LEVEL:	<0.01 EU/µg protein by LAL method	
MOL. WEIGHT:	~65 kDa (SDS-PAGE)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from PBS + 0.02 % CHAPS	
STORAGE CONDITIONS:	For short term store at +4°C (1-2 weeks). For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Reconstitute with 100 µl sterile water.	
DESCRIPTION:	The transmembrane and secreted protein delta-like 1 homolog (DLK1; Protein delta homolog 1; Preadipocyte factor 1; Pref-1) belongs to the EGF-like family. It can be cleaved by a tumor necrosis factor-α converting enzyme (TACE) to release a soluble form. DLK1 plays important roles in regulating cell differentiation such as adipogenesis and osteogenesis. Membrane-bound DLK1 promotes hypertrophic myotube formation, whereas soluble DLK1 inhibits myotube formation. The soluble form of DLK1 inhibits preadipocyte differentiation, while membrane DLK1 represses preadipocyte proliferation. DLK1 is also associated with tumor invasion.	
BIOLOGICAL ACTIVITY:	Inhibits adipogenesis of 3T3L-1 cells	

RELATED PRODUCT:

- Human CellExp™ sDLL-1, Human Recombinant (**Cat. No. 7133**)
- Human CellExp™ sDLL-4, Human Recombinant (**Cat. No. 7134**)
- Human CellExp™ DLL1, Mouse Recombinant (**Cat. No. P1162-10**)
- Human CellExp™ DLL4, Mouse Recombinant (**Cat. No. P1163-10**)
- Notch-1, mouse recombinant (**Cat. No. 7530**)
- Notch-2, mouse recombinant (**Cat. No. 7531**)
- Notch 1 Antibody (**Cat. No. 3881**)
- Notch-1 (human) ELISA Kit (**Cat. No. K4763**)

FOR RESEARCH USE ONLY! Not to be used on humans.